SUBJECT INDEX TO VOLUME 34 (1993)

Nervous system (inclusive skull)

Functional MR imaging at 1.5 T. Initial results using photic and motoric stimulation 101
Changes in intracranial morphology, regional cerebral water content and vital physiological variables during epidural bleeding. An experimental MR study in dogs 279
Progressive brain compression. Changes in vital physiological variables, correlated with brain tissue water content and brain tissue displacement. Experimental MR imaging in dogs 289
Brain atrophy in neurodegenerative diseases. Quantitative and qualitative CT analysis 296
On the pulsatile nature of intracranial and spinal CSF-circulation demonstrated by MR imaging 321
Target delination in radiosurgery for cerebral arteriovenous malformations. Assessment of the value of stereotaxic MR imaging and MR angiography . . . 457
MR appearance of central neurocytoma 520
Lumbar percutaneous automated nucleotomy. Technique, patient selection and preliminary results . . . 536
Cine-MR imaging of aqueductal CSF flow in normal pressure hydrocephalus syndrome before and after CSF shunt 586
Cranial MR imaging and cerebral ^{99m}Tc HM-PAO-SPECT in patients with subacute or chronic severe closed head injury and normal CT examinations . . 593
Combined embolization and gamma knife radiosurgery for cerebral arteriovenous malformations . . . 600

Ear, nose, throat and eye

CT of retropharyngeal lymph node metastasis from maxillary carcinoma 492

Bones, joints and soft tissues

MR relaxation times and fiber type predominance of the psoas and multifidus muscle. An autopsy study 16
Reference values for vertebral heights in Scandinavian females and males 48
Simple mathematical relations between the acetabular anteversion and sector angles 99
Wrist arthrography 111
Radiographic assessment of coxarthrosis following slipped capital femoral epiphysis. A 32-year follow-up study of 151 hips 117
Lumbar herniated disk mimicking neurinoma. Case report 127
Percutaneous catheter drainage of tuberculous psoas abscesses 366
Degenerative changes of the menisci of the knee. Value of different MR pulse sequences 404
Ultrasonography of the Achilles tendon in hypercholesterolemia 408
Intramedullary nailing and cortical bone mineral content. Photon absorptiometry measurements in vitro 464
Carpet-layer's knee. An ultrasonographic study 496
MR imaging of monostotic fibrous dysplasia of the clivus. A case report 527
Lumbar percutaneous automated nucleotomy. Technique, patient selection and preliminary results . . . 536
Detection of breast cancer metastases in the cervical spine 543
Vertical field MR imaging of upper thorax and spine in small children. Evaluation of a new surface coil 549
MR evaluation of tuberculous spondylitis 554
Exercise-induced changes in magnetization transfer contrast of muscles 559
Assessment of tissue viability by thermography after experimentally produced frostbite of the rabbit ear 622

Breast

Radial scar and tubular carcinoma. Mammographic and sonographic findings 43
Comparison of image quality and mean absorbed dose to the breast for two mammographic films 351
Application of a mixed imaging sequence for MR imaging characterization of human breast disease 356
Detection of breast cancer metastases in the cervical spine 543
Radiologic appearance of nonpalpable intramammary lymph nodes 577

Cardiovascular system

Thrombus imaging with ^{99m}Tc-HMPAO-labeled platelets and ^{111}In-labeled monoclonal antifibrin antibodies 59
Iodixanol in cardioangiography in patients with coronary artery disease. Tolerability, cardiac and renal effects 72
Clot formation in angiographic catheters – an in vitro comparative study. Effects of heparin and protein coating of the catheter 78
Effects of femoral arteriography and low osmolar contrast agents on renal function 88
Endothelial influence on vessel wall induced vasospasm

SUBJECT INDEX TO VOLUME 34 (1993)

Nervous system (inclusive skull)

Functional MR imaging at 1.5 T. Initial results using photic and motoric stimulation 101
Changes in intracranial morphology, regional cerebral water content and vital physiological variables during epidural bleeding. An experimental MR study in dogs 279
Progressive brain compression. Changes in vital physiological variables, correlated with brain tissue water content and brain tissue displacement. Experimental MR imaging in dogs 289
Brain atrophy in neurodegenerative diseases. Quantitative and qualitative CT analysis 296
On the pulsatile nature of intracranial and spinal CSF-circulation demonstrated by MR imaging 321
Target delination in radiosurgery for cerebral arteriovenous malformations. Assessment of the value of stereotaxic MR imaging and MR angiography . . . 457
MR appearance of central neurocytoma 520
Lumbar percutaneous automated nucleotomy. Technique, patient selection and preliminary results . . . 536
Cine-MR imaging of aqueductal CSF flow in normal pressure hydrocephalus syndrome before and after CSF shunt 586
Cranial MR imaging and cerebral ^{99m}Tc HM-PAO-SPECT in patients with subacute or chronic severe closed head injury and normal CT examinations . . 593
Combined embolization and gamma knife radiosurgery for cerebral arteriovenous malformations . . . 600

Ear, nose, throat and eye

CT of retropharyngeal lymph node metastasis from maxillary carcinoma 492

Bones, joints and soft tissues

MR relaxation times and fiber type predominance of the psoas and multifidus muscle. An autopsy study 16
Reference values for vertebral heights in Scandinavian females and males 48
Simple mathematical relations between the acetabular anteversion and sector angles 99
Wrist arthrography 111
Radiographic assessment of coxarthrosis following slipped capital femoral epiphysis. A 32-year follow-up study of 151 hips 117
Lumbar herniated disk mimicking neurinoma. Case report 127
Percutaneous catheter drainage of tuberculous psoas abscesses 366
Degenerative changes of the menisci of the knee. Value of different MR pulse sequences 404
Ultrasonography of the Achilles tendon in hypercholesterolemia 408
Intramedullary nailing and cortical bone mineral content. Photon absorptiometry measurements in vitro 464
Carpet-layer's knee. An ultrasonographic study 496
MR imaging of monostotic fibrous dysplasia of the clivus. A case report 527
Lumbar percutaneous automated nucleotomy. Technique, patient selection and preliminary results . . . 536
Detection of breast cancer metastases in the cervical spine 543
Vertical field MR imaging of upper thorax and spine in small children. Evaluation of a new surface coil 549
MR evaluation of tuberculous spondylitis 554
Exercise-induced changes in magnetization transfer contrast of muscles 559
Assessment of tissue viability by thermography after experimentally produced frostbite of the rabbit ear 622

Breast

Radial scar and tubular carcinoma. Mammographic and sonographic findings 43
Comparison of image quality and mean absorbed dose to the breast for two mammographic films 351
Application of a mixed imaging sequence for MR imaging characterization of human breast disease 356
Detection of breast cancer metastases in the cervical spine 543
Radiologic appearance of nonpalpable intramammary lymph nodes 577

Cardiovascular system

Thrombus imaging with ^{99m}Tc-HMPAO-labeled platelets and ^{111}In-labeled monoclonal antifibrin antibodies 59
Iodixanol in cardioangiography in patients with coronary artery disease. Tolerability, cardiac and renal effects 72
Clot formation in angiographic catheters – an in vitro comparative study. Effects of heparin and protein coating of the catheter 78
Effects of femoral arteriography and low osmolar contrast agents on renal function 88
Endothelial influence on vessel wall induced vasospasm

after balloon angioplasty 156
Intravascular ultrasonographic assessment of thrombus formation on central venous catheters 162
Observer variability of radionuclide left ventricular volume determination at rest and during exercise . 179
Acute electrolyte disturbances in coronary sinus during left coronary arteriography in man 230
Intravascular ultrasonography. Normal and pathologic findings in the great veins 329
Effect on cardiac contractile force from addition of cations and oxygen to iohexol. Comparison with other low-osmotic contrast media in the isolated rabbit heart during normal and reduced perfusion pressure 381
Pacemaker wires. Difference in performance between AMBER and conventional chest radiography 419
Normal left ventricular wall motion measured with two-dimensional myocardial tagging 450
The kissing balloons technique. Simultaneous dilatation of stenoses of branch arteries at the bifurcation of the renal artery 486
Vertical field MR imaging of upper thorax and spine in small children. Evaluation of a new surface coil 549
Reproducibility of quantitative arteriographic assessment of atherosclerosis in the femoral artery 612
Hyperparathyroidism – comparison of FLASH imaging with spin echo MR imaging 625

Mediastinum and respiratory system

Quantification of inhomogeneities in malignancy grading of non-Hodgkin lymphoma with MR imaging 3
Normal age-related alterations on chest radiography. A longitudinal investigation 53
CT measurement of mediastinal anterior junction line in emphysema patients 194
Treatment of tuberculous bronchial stenosis with expandable metallic stents 263
Detection of subcarinal lymph node enlargement on conventional chest radiographs. With special reference to oblique views 339
Chest imaging with dual-energy subtraction digital tomosynthesis 346
Lung abscess. Percutaneous catheter therapy 362
Reactive mediastinal lymphadenopathy in bronchiectasis assessed by CT 489
Hematogeneous pulmonary metastasis. An experimental study using VX-2 carcinoma in rabbits 581
Image intensifier based digital chest radiography. Visibility of lesions and anatomy 618
Position of skin puncture in translumbar aortography 631
Chest radiography with synchronized exposure during inspiration in ventilator-treated patients 632
CT appearance of diffuse alveolar hemorrhage in a patient with systemic lupus erythematosus 634

Digestive tract

Anal endosonographic findings in patients with obstructed defecation 35
Oral magnetic particles. Results from clinical phase II trials in 216 patients 187
Increased urinary excretion of iohexol after enteral administration in patients with ileal Crohn's disease. A new test for disease activity 237
Iodixanol in abdominal digital subtraction angiography. A randomized, double-blind, parallel trial with iodixanol and iohexol 242
Solid bolus swallowing in the radiologic evaluation of dysphagia 372
MR imaging of anomalous lobes of the liver 417
Radiology of the ileal J-pouch – anal anastomosis (IPAA) 563
CT for assessment of pancreatic and periampullary cancer 569

Liver, biliary tract

Chemoembolization for hepatocellular carcinoma via the inferior pancreaticoduodenal artery in patients with celiac artery stenosis 20
Palliative treatment of hepatocellular carcinoma with transcatheter arterial embolization 26
Accuracy of CT arterial portography of the liver compared with findings at laparotomy 139
Sclerotherapy of edematous gallbladders with different agents. An experimental study in pigs 143
Expandable metallic endoprostheses for biliary obstruction 252
Dacron-covered stent therapy for portal vein tumor thrombus in hepatocellular carcinoma 266
Percutaneous rotational lithotripsy of gallbladder stones. Clinical results with the Rotolith lithotriptor 273
Dynamic MR imaging of hepatoma treated by transcatheter arterial embolization therapy. Assessment of treatment effect 303
Treatment of hepatocellular carcinoma by intraarterial injection of Adriamycin/Mitomycin C oil suspension (ADMOS) alone or combined with cis-diaminodichloroplatinum (CDDP) 388
Angiomyolipoma of the liver. Ultrasound, CT, MR imaging and angiography 392
Detection of viable tumor cells in hepatocellular carcinoma following transcatheter arterial chemoembolization with iodized oil. Pathologic correlation with dynamic turbo-FLASH MR imaging with Gd-DTPA 399
Duplex ultrasonographic evaluation of liver transplants 478
Computed tomographic percutaneous transsplenic portography 529

Spleen, pancreas

Peliosis of the spleen associated with a paraganglioma. Case report 148
CT, MR imaging and angiography in pancreatic apudomas 468

Urogenital system

Inability of refined CT to assess local extent of prostatic cancer 39
Effect of intravenous contrast media on proximal and distal tubular hydrostatic pressure in the rat kidney 83
Clinical stage I carcinoma of the cervix. Value of MR imaging in determining invasion into the parametrium 130
Radiographic evaluation of the urethral Kock ileal bladder substitute 133
MR angiography of in situ and transplanted renal arteries. Early experience using a three-dimensional time-of-flight technique 150
In vivo fluorescence microscopy of microcirculation in the renal cortex of mice. Part I. An experimental model for contrast media studies 168
In vivo fluorescence microscopy of microcirculation in the renal cortex of mice. Part II. Effects of mannitol and contrast media infusions 174
A double-guide-wire technique in renal angioplasty. A modified approach 196
Percutaneous rotational lithotripsy of urinary bladder stones. Clinical results with the Rotolith lithotriptor 270
Duplex Doppler scanning with prostaglandin E1 in the diagnosis of cavernovenous leakage 335
Microangiography – a sensitive method for studying experimental diabetic nephropathy 376
Sonographic evaluation of renal appearance in 665 adult volunteers. Correlation with age and obesity 482
In vivo fluorescence microscopy of microcirculation in the renal cortex of mice. Part III. Effects of mannitol and iohexol infusions after pretreatment with cyclosporin A 500
In vivo fluorescence microscopy of microcirculation in the renal cortex of mice. Part IV. Effects of mannitol and iohexol infusions after temporary renal ischemia 505
Postirradiation changes in the pelvic wall. Findings on MR 573

Endocrine system

CT of a parathyroid lipoadenoma. Case report 369
Ultrasound-guided biopsies of neuroendocrine metastases. Comparison of 0.9 and 1.2 mm biopsy-gun needle biopsies 474

Lymphatic system

Quantification of inhomogeneities in malignancy grading of non-Hodgkin lymphoma with MR imaging 3
MR lymphography using iron oxide particles. Detection of lymph node metastases in the VX2 rabbit tumor model 10
RES scintigraphy in polycythemia vera and secondary or relative polycythemia 183
Radiologic appearance of nonpalpable intramammary lymph nodes 577
Effect of Gd-DTPA and/or magnetic field and radiofrequency exposure on sister chromatid exchange in human peripheral lymphocytes 607

Pediatric radiology

Conversion factors between energy imparted to the patient and air collision kerma integrated over beam area in pediatric radiology 92
Vertical field MR imaging of upper thorax and spine in small children. Evaluation of a new surface coil 549

Digital radiography

Digital radiography. A useful clinical tool for computer-aided diagnosis by quantitative analysis of radiographic images 426
Digital luminescence radiography using a chest phantom. Comparison between radiographs displayed on monitor at a workstation and at a personal computer 440
Advanced multiple beam equalization radiography (AMBER) combined with computed radiography. Preliminary evaluation 445
Image intensifier based digital chest radiography. Visibility of lesions and anatomy 618

Ultrasonography

Percutaneous ultrasound-guided biopsy. Fine needle biopsy, cutting needle biopsy, or both? 30
Anal endosonographic findings in patients with obstructed defecation 35
Radial scar and tubular carcinoma. Mammographic and sonographic findings 43
Intravascular ultrasonographic assessment of thrombus formation on central venous catheters 162
Intravascular ultrasonography. Normal and pathologic findings in the great veins 329
Duplex Doppler scanning with prostaglandin E1 in the diagnosis of cavernovenous leakage 335
Angiomyolipoma of the liver. Ultrasound, CT, MR imaging and angiography 392
Ultrasonography of the Achilles tendon in hypercholl-

esterolemia 408
Ultrasound-guided biopsies of neuroendocrine metastases. Comparison of 0.9 and 1.2 mm biopsy-gun needle biopsies 474
Duplex ultrasonographic evaluation of liver transplants 478
Sonographic evaluation of renal appearance in 665 adult volunteers. Correlation with age and obesity 482
Carpet-layer's knee. An ultrasonographic study 496

CT

Inability of refined CT to assess local extent of prostatic cancer 39
Accuracy of CT arterial portography of the liver compared with findings at laparotomy 139
CT measurement of mediastinal anterior junction line in emphysema patients 194
Brain atrophy in neurodegenerative diseases. Quantitative and qualitative CT analysis 296
CT of a parathyroid lipoadenoma. Case report 369
Angiomyolipoma of the liver. Ultrasound, CT, MR imaging and angiography 392
CT, MR imaging and angiography in pancreatic apudomas 468
Reactive mediastinal lymphadenopathy in bronchiectasis assessed by CT 489
CT of retropharyngeal lymph node metastasis from maxillary carcinoma 492
Oral contrast media in CT of the abdomen. A double-blind randomized study comparing an aqueous solution of amidotrizoate, an aqueous solution of iohexol and a viscous solution of iohexol 517
Computed tomographic percutaneous transsplenic portography 529
CT for assessment of pancreatic and periampullary cancer 569
CT appearance of diffuse alveolar hemorrhage in a patient with systemic lupus erythematosus 634

MR imaging and spectroscopy

Quantification of inhomogeneities in malignancy grading of non-Hodgkin lymphoma with MR imaging 3
MR lymphography using iron oxide particles. Detection of lymph node metastases in the VX2 rabbit tumor model 10
MR relaxation times and fiber type predominance of the psoas and multifidus muscle. An autopsy study 16
Functional MR imaging at 1.5 T. Initial results using photic and motoric stimulation 101
Radiographic assessment of coxarthrosis following slipped capital femoral epiphysis. A 32-year follow-up study of 151 hips 124
Clinical stage I carcinoma of the cervix. Value of MR imaging in determining invasion into the parametrium 130
MR angiography of in situ and transplanted renal arteries. Early experience using a three-dimensional time-of-flight technique 150
Oral magnetic particles. Results from clinical phase II trials in 216 patients 187
Chondroitin sulfate iron colloid as MR contrast agent in differentiation between hepatocellular carcinoma and adenomatous hyperplasia 226
Changes in intracranial morphology, regional cerebral water content and vital physiological variables during epidural bleeding. An experimental MR study in dogs 279
Progressive brain compression. Changes in vital physiological variables, correlated with brain tissue water content and brain tissue displacement. Experimental MR imaging in dogs 289
Dynamic MR imaging of hepatoma treated by transcatheter arterial embolization therapy. Assessment of treatment effect 303
On the pulsatile nature of intracranial and spinal CSF-circulation demonstrated by MR imaging 321
Application of a mixed imaging sequence for MR imaging characterization of human breast disease 356
Angiomyolipoma of the liver. Ultrasound, CT, MR imaging and angiography 392
Detection of viable tumor cells in hepatocellular carcinoma following transcatheter arterial chemoembolization with iodized oil. Pathologic correlation with dynamic turbo-FLASH MR imaging with Gd-DTPA 399
Degenerative changes of the menisci of the knee. Value of different MR pulse sequences 404
MR imaging of anomalous lobes of the liver 417
Normal left ventricular wall motion measured with two-dimensional myocardial tagging 450
Target delination in radiosurgery for cerebral arteriovenous malformations. Assessment of the value of stereotaxic MR imaging and MR angiography . . . 457
CT, MR imaging and angiography in pancreatic apudomas 468
Hemodynamic effects of gadodiamide injection and gadopentetate dimeglumine in anesthetized dogs . . 510
MR appearance of central neurocytoma 520
MR imaging of monostotic fibrous dysplasia of the clivus. A case report 527
Vertical field MR imaging of upper thorax and spine in small children. Evaluation of a new surface coil 549
MR evaluation of tuberculous spondylitis 554
Exercise-induced changes in magnetization transfer contrast of muscles 559
Postirradiation changes in the pelvic wall. Findings on MR 573
Cine-MR imaging of aqueductal CSF flow in normal pressure hydrocephalus syndrome before and after

CSF shunt 586
Cranial MR imaging and cerebral ^{99m}Tc HM-PAO-SPECT in patients with subacute or chronic severe closed head injury and normal CT examinations . . 593
Effect of Gd-DTPA and/or magnetic field and radiofrequency exposure on sister chromatid exchange in human peripheral lymphocytes 607

Nuclear radiology

Thrombus imaging with ^{99m}Tc-HMPAO-labeled platelets and ^{111}In-labeled monoclonal antifibrin antibodies 59
Observer variability of radionuclide left ventricular volume determination at rest and during exercise . 179
RES scintigraphy in polycythemia vera and secondary or relative polycythemia 183
Yttrium-90 glass microspheres injected via the portal vein. An experimental study 395
Cranial MR imaging and cerebral ^{99m}Tc HM-PAO-SPECT in patients with subacute or chronic severe closed head injury and normal CT examinations . . 593

Interventional radiology

Palliative treatment of hepatocellular carcinoma with transcatheter arterial embolization 26
Percutaneous ultrasound-guided biopsy. Fine needle biopsy, cutting needle biopsy, or both? 30
Sclerotherapy of edematous gallbladders with different agents. An experimental study in pigs 143
Endothelial influence on vessel wall induced vasospasm after balloon angioplasty 156
Intravascular ultrasonographic assessment of thrombus formation on central venous catheters 162
A double-guide-wire technique in renal angioplasty. A modified approach 196
Expandable metallic endoprostheses for biliary obstruction 252
Electrolytic stents to inhibit tumor growth. An experimental study in vitro and in rats 258
Treatment of tuberculous bronchial stenosis with expandable metallic stents 263
Dacron-covered stent therapy for portal vein tumor thrombus in hepatocellular carcinoma 266
Percutaneous rotational lithotripsy of urinary bladder stones. Clinical results with the Rotolith lithotriptor 270
Percutaneous rotational lithotripsy of gallbladder stones. Clinical results with the Rotolith lithotriptor 273
Dynamic MR imaging of hepatoma treated by transcatheter arterial embolization therapy. Assessment of treatment effect 303
Intravascular ultrasonography. Normal and pathologic findings in the great veins 329
Lung abscess. Percutaneous catheter therapy 362
Percutaneous catheter drainage of tuberculous psoas abscesses 366
Treatment of hepatocellular carcinoma by intraarterial injection of Adriamycin/Mitomycin C oil suspension (ADMOS) alone or combined with cis-diaminodichloroplatinum (CDDP) 388
Target delination in radiosurgery for cerebral arteriovenous malformations. Assessment of the value of stereotaxic MR imaging and MR angiography . . . 457
The kissing balloons technique. Simultaneous dilatation of stenoses of branch arteries at the bifurcation of the renal artery 486
Lumbar percutaneous automated nucleotomy. Technique, patient selection and preliminary results . . . 536
Combined embolization and gamma knife radiosurgery for cerebral arteriovenous malformations . . . 600

Experimental radiology

Chemoembolization for hepatocellular carcinoma via the inferior pancreaticoduodenal artery in patients with celiac artery stenosis 20
Effect of intravenous contrast media on proximal and distal tubular hydrostatic pressure in the rat kidney 83
Endothelial influence on vessel wall induced vasospasm after balloon angioplasty 156
In vivo fluorescence microscopy of microcirculation in the renal cortex of mice. Part I. An experimental model for contrast media studies 168
In vivo fluorescence microscopy of microcirculation in the renal cortex of mice. Part II. Effects of mannitol and contrast media infusions 174
Contrast media-induced renal morphologic lesions in diabetic rats 220
Reduced risk of ventricular fibrillation by balancing sodium, calcium, potassium and magnesium added to nonionic contrast media. An investigation in the isolated rabbit heart 246
Electrolytic stents to inhibit tumor growth. An experimental study in vitro and in rats 258
Changes in intracranial morphology, regional cerebral water content and vital physiological variables during epidural bleeding. An experimental MR study in dogs 279
Progressive brain compression. Changes in vital physiological variables, correlated with brain tissue water content and brain tissue displacement. Experimental MR imaging in dogs 289
Microangiography – a sensitive method for studying experimental diabetic nephropathy 376
Effect on cardiac contractile force from addition of cations and oxygen to iohexol. Comparison with other low-osmotic contrast media in the isolated rabbit heart during normal and reduced perfusion pressure 381
Yttrium-90 glass microspheres injected via the portal

vein. An experimental study 395
In vivo fluorescence microscopy of microcirculation in the renal cortex of mice. Part III. Effects of mannitol and iohexol infusions after pretreatment with cyclosporin A 500
In vivo fluorescence microscopy of microcirculation in the renal cortex of mice. Part IV. Effects of mannitol and iohexol infusions after temporary renal ischemia 505
Hematogeneous pulmonary metastasis. An experimental study using VX-2 carcinoma in rabbits 581
Assessment of tissue viability by thermography after experimentally produced frostbite of the rabbit ear 622

Contrast media and other drugs

MR lymphography using iron oxide particles. Detection of lymph node metastases in the VX2 rabbit tumor model 10
Chemoembolization for hepatocellular carcinoma via the inferior pancreaticoduodenal artery in patients with celiac artery stenosis 20
Thrombus imaging with ^{99m}Tc-HMPAO-labeled platelets and ^{111}In-labeled monoclonal antifibrin antibodies 59
Iodixanol in cardioangiography in patients with coronary artery disease. Tolerability, cardiac and renal effects 72
Effect of intravenous contrast media on proximal and distal tubular hydrostatic pressure in the rat kidney 83
Effects of femoral arteriography and low osmolar contrast agents on renal function 88
Wrist arthrography 111
Sclerotherapy of edematous gallbladders with different agents. An experimental study in pigs 143
In vivo fluorescence microscopy of microcirculation in the renal cortex of mice. Part I. An experimental model for contrast media studies 168
In vivo fluorescence microscopy of microcirculation in the renal cortex of mice. Part II. Effects of mannitol and contrast media infusions 174
Oral magnetic particles. Results from clinical phase II trials in 216 patients 187
High-osmolar and low-osmolar contrast media. An update on frequency of adverse drug reactions 205
Incidence of roentgen contrast medium reactions after intravenous injection in pre-registration trials and post-marketing surveillances 210
Effect of low-osmolality contrast media on red cell filterability 214
Contrast media-induced renal morphologic lesions in diabetic rats 220
Chondroitin sulfate iron colloid as MR contrast agent in differentiation between hepatocellular carcinoma and adenomatous hyperplasia 226
Acute electrolyte disturbances in coronary sinus during left coronary arteriography in man 230
Increased urinary excretion of iohexol after enteral administration in patients with ileal Crohn's disease. A new test for disease activity 237
Iodixanol in abdominal digital subtraction angiography. A randomized, double-blind, parallel trial with iodixanol and iohexol 242
Reduced risk of ventricular fibrillation by balancing sodium, calcium, potassium and magnesium added to nonionic contrast media. An investigation in the isolated rabbit heart 246
Duplex Doppler scanning with prostaglandin E1 in the diagnosis of cavernovenous leakage 335
Effect on cardiac contractile force from addition of cations and oxygen to iohexol. Comparison with other low-osmotic contrast media in the isolated rabbit heart during normal and reduced perfusion pressure 381
Treatment of hepatocellular carcinoma by intraarterial injection of Adriamycin/Mitomycin C oil suspension (ADMOS) alone or combined with cis-diaminodichloroplatinum (CDDP) 388
Yttrium-90 glass microspheres injected via the portal vein. An experimental study 395
Detection of viable tumor cells in hepatocellular carcinoma following transcatheter arterial chemoembolization with iodized oil. Pathologic correlation with dynamic turbo-FLASH MR imaging with Gd-DTPA 399
In vivo fluorescence microscopy of microcirculation in the renal cortex of mice. Part III. Effects of mannitol and iohexol infusions after pretreatment with cyclosporin A 500
In vivo fluorescence microscopy of microcirculation in the renal cortex of mice. Part IV. Effects of mannitol and iohexol infusions after temporary renal ischemia 505
Hemodynamic effects of gadodiamide injection and gadopentetate dimeglumine in anesthetized dogs . . 510
Oral contrast media in CT of the abdomen. A double-blind randomized study comparing an aqueous solution of amidotrizoate, an aqueous solution of iohexol and a viscous solution of iohexol 517

Physics and technique

Conversion factors between energy imparted to the patient and air collision kerma integrated over beam area in pediatric radiology 92
Simple mathematical relations between the acetabular anteversion and sector angles 99
Radiographic assessment of coxarthrosis following slipped capital femoral epiphysis. A 32-year follow-up study of 151 hips 124
A double-guide-wire technique in renal angioplasty.

A modified approach 196
Optical radiation-field indication in X-ray tubes with more than one focus 197
Chest imaging with dual-energy subtraction digital tomosynthesis 346
Comparison of image quality and mean absorbed dose to the breast for two mammographic films 351
Application of a mixed imaging sequence for MR imaging characterization of human breast disease 356
Degenerative changes of the menisci of the knee. Value of different MR pulse sequences 404
Pacemaker wires. Difference in performance between AMBER and conventional chest radiography 419
Digital radiography. A useful clinical tool for computer-aided diagnosis by quantitative analysis of radiographic images 426
Digital luminescence radiography using a chest phantom. Comparison between radiographs displayed on monitor at a workstation and at a personal computer 440
Advanced multiple beam equalization radiography (AMBER) combined with computed radiography. Preliminary evaluation 445
Normal left ventricular wall motion measured with two-dimensional myocardial tagging 450
Intramedullary nailing and cortical bone mineral content. Photon absorptiometry measurements in vitro 464
Ultrasound-guided biopsies of neuroendocrine metastases. Comparison of 0.9 and 1.2 mm biopsy-gun needle biopsies 474
The kissing balloons technique. Simultaneous dilatation of stenoses of branch arteries at the bifurcation of the renal artery 486
Computed tomographic percutaneous transsplenic portography 529
Vertical field MR imaging of upper thorax and spine in small children. Evaluation of a new surface coil 549
Reproducibility of quantitative arteriographic assessment of atherosclerosis in the femoral artery 612
Hyperparathyroidism – comparison of FLASH imaging with spin echo MR imaging 625
Position of skin puncture in translumbar aortography 631
Chest radiography with synchronized exposure during inspiration in ventilator-treated patients 632

Miscellaneous

Coauthorship trends in the leading radiological journals 316
Radiologic anatomy – A credit course for first-year medical students 414

LIST OF AUTHORS

P. Aadahl 162
V. M. Abeler 130
S. Aasen 563
H. Ahlström 517
A. Alanen 16
T. Alménn 246, 381
I. K. Amdal 99
T. Amundsen 536
S. Anda 99
B. Andersson 440
I. Andréasson 543
J. Andresen 48
E. Andrew 187, 210
J. E. Angelhed 618
B. A. J. Angelsen 162, 329
M. Apaja-Sarkkinen 30
G. Arnetoli 586
K. Asada 417
P. Aspelin 369
F. Aspestrand 468

L. Bååth 246, 381
T. Bach-Gansmo 187
Y. W. Bahk 362
A. Bakka 563
S. J. Bakke 150
E. Bålfors 632
C. Bartolozzi 586
G. Battaglia 26
K. J. Berg 72
T. Berggren 270
J. Berglund 88
D. Bergqvist 156
L. Bergstrand 612
K. Bergström 279, 289
J. Besjakov 246, 381
L. Björk 242
R. M. Blaquiere 489
V. Blomlie 130
B. Bolstad 242
K.-D. Bolz 162, 329
M. Breitenseher 408
K. Brixen 48
S. Brockstedt 549
U. Brodahl 72
I. Brown 631
H. Bryde Andersen 569
F. Buchmann 445
F. Burcharth 569
K. Bülow 179

D. Caramella 586
S. Carlsen 440
A. Cela 366
S. H. Cha 520
T. Y. K. Chan 631
K. H. Chang 520
J. G. Chi 520
M. Chiesura-Corona 26
M.-S. Chou 554
J. Christiansen 35
K.-G. Chua 426
E. C. Chung 581
M. E. Cortsen 127
W. Cwikiel 258

G. Dal Pozzo 586
P. Dastidar 296
J. Defrancq 478
L. Denbratt 618
J. L. Diaz 366
D. Dienemann 10
K. Doi 426
R. F. Dondelinger 478
Y. H. Dong 395
S. Dorph 133, 205
R. Dullerud 536

A. Ebbesen 440
J. Edgren 237, 335
L. Edvinsson 156
H. Effersøe 569
H. Eide 187
O. Ekberg 372
S. A. Emamian 127, 482
K. Endresen 72
A. Elvin 474
P. Engel 148
K. Ericson 457, 600
A. Ericsson 64
U. Erikson 612
B. Eriksson 474
A. Espeland 39

G. Fagerberg 351
G. P. Feltrin 26
T. Flem Jacobsen 187
A. Franck 321, 457
K. Franklin 632
S.-G. Fransson 111, 419
V. Fransson 351
S. Franzén 577
M. Freire 366
B. Frennby 369
H. Frey 296
R. Fujimitsu 20
Y. Fujiwara 263
T. Fukuya 53
S. Furui 263

M. Galanski 486
J. C. Ganz 279, 289
F. Garijo 43
G. Gerunda 26
C. Gisinger 408
T. Gjørup 179
B. Glimelius 3
M. L. Giger 426
P. W. de Graaf 356
D. Greitz 321
W. Y. Guo 457, 600

H. K. Ha 362
H. Hagberg 3
G. Hagen 194, 563
E. Hägg 376
P. Haghighi 404
T. Haider 210
L. Halme 237
O. J. Halvorsen 39
E. K. Ham 581
B. Hamm 10
J. K. Han 581
M. C. Han 520, 581
M. H. Han 520, 581
P. Hansell 83
G. Hansson 117
M. Harada 303
T. Hashimoto 399
S. Haukaas 39
K. Hayakawa 230
A. Hemmingsson 3, 64, 543
V. Hennild 252
L. Henriksen 127
O. Henriksen 101, 450
A. P. Herrmann 48
S.-O. Hietala 168, 174, 376, 500, 505
H. Higashihara 20
S. Hiltunen 30
H. Hirano 346
H. Hiruma 214
P. Hochbergs 440
J. Hodler 404
K. R. Hoffmann 426
B. Högström 168, 174, 500, 505
I. Holme 612
T. Holmström 464
S. Holtås 549
T. T. Honkanen 59
A. Hori 388
S. Hori 392, 399
T. Horn 148
M. Hosoba 346
Y. Hosoda 53

K. Ikeda 388
J. Ikezoe 625
J.-G. Im 581
H. Imai 214
H. Imhof 593
K. H. Inoue 388
D. Inzitari 586
Y. Ishii 527
M.-L. Ivarsson 549
T. Iwamiya 263
T. Iversen 130

M. Jacobsen 468
K. Jandeleit 486
I. Jansen 156
P. Jartti 30
R. Järvenpää 296
S. V. Jauhola 59
B. Jeppsson 143, 273
R. Jerre 117
J. G. Johansen 536
J. Johansson 612
S. Jørstad 162
J. Junila 622
F. Kainberger 408
S. Kakitsubata 417
Y. Kakitsubata 417
H. Kalimo 16
M. Kamba 226
I. Kanetsuki 388
M. W. Kang 362
O. Kaarela 622
B. Karlsson 457, 600
K. J. Karppinen 59
E. Kaartinen 464
T. Kasuga 346
T. Kato 226, 492
J. V. Kaude 414
M. Kehler 440
H. Kelbæk 179
L. Keskisaari 464
S. Kheddache 618
H. C. E. Kievit 356
D. G. Kim 520
S. J. Kim 520
W. S. Kim 581
H. Kimura 527
S. Kimura 20
Y. Kimura 392
K. Kishi 266
K. Kitamura 230
J. Kivimäki 496
L. Kivisaari 220
R. Kivisaari 220
N. E. Kløw 72
M. Kobayashi 263, 492, 529
S. Kodama 20
F. Koganemaru 20
T. Koide 625
A. Kolbenstvedt 194
F. Kolmannskog 468, 563
M. E. S. Komu 16, 124, 559
M. Kormano 16
Y. Korogi 196
S. K. Koskinen 124, 559
T. Kozuka 392, 399, 625
J. Kramer 593
D. T. Kristoffersen 72
K. Kubo 346
T. Kubota 527
T. Kumazaki 214

R. O. Laitinen 59
B. Lakke 72
L. Lanier 414
T. J. Lantto 59
E.-M. Larsson 549
H. B. W. Larsson 101
R. Larsson 88
R. Lawaczeck 10
I. Lax 457
K. Levorstad 72
M. Lie 242
H. H. Lien 130, 573
I. Lillsunde 16
G. Lin 395
S.-Y. Lin 554

P. Linares-Mondéjar 366
C.-G. Lindberg 139, 143, 270, 273
H. Linden 237
P. G. Lindgren 474
C. Lindquist 457, 600
M. Lindqvist 457
E. Lindstedt 270
M. Lise 26
F. Lithner 376
G.-C. Liu 554
O. Ljungberg 369
F. Lolli 586
M. Lönnemark 517
T. Løtveit 563
B. Lundby 72
L. Lundmark 632
C. Lundstedt 139, 143, 270, 273
B. Lundström 632
K. Lyttkens 440

H. MacMahon 426
M. Maeda 527
B. Magnæs 536
A. Magnusson 517
H. Mäkäräinen 622
Y. Makino 634
L. Malmgren 549
N. Malmgren 549
J. Mangersnes 162
R. Martin-Egaña 366
H. J. Martinussen 64
M. Mascalchi 586
Ø. Mathisen 563
S. Matsubara 607
T. Matsuo 226
K. T. Mattila 559
E. Mattsson 156
O. Mattsson 197
T. E. Merchant 356
J. Merikanto 376
F. Mihara 53
D. Miotto 26
T. Misaki 230
T. Mitani 392, 399
M. Mitsumori 230
K. Mitsizane 266
S. Miyake 388
N. Miyazono 388
Y. Mizuma 20
S. Mizuno 53
J. Mølgaard 612
M. Monden 392, 399
T. Monji 230
M. Morimoto 346
N. Morioka 263
L. Mosekilde 48
T. Murakami 392, 399
S. Mussurakis 316
T. Mygind 133, 252
H. O. Myhre 162, 329
T. Myllymäki 496

M. Nakajo 388
H. Nakamura 392, 399
K. Nakamura 226, 529
T. Nakamura 20
K. Nakanishi 392, 399
H. Nakata 53
D. Neri 26
M. B. Nielsen 35, 482
S. L. Nielsen 179
P. T. Niemi 559
C. W. E. A. Nieuwenhuizen 356
P. Nilsson 279, 289
S. Nilsson 612
T. Nikonoff 88
H. O. Nisen 325
H. Nishida 388
N. Nishida 266
R. M. Nishikawa 426
Y. Noguchi 625
A. Nordby 162, 329
B. Nordell 321, 457
P. Nyberg 88
A. Nygren 83
R. Nyman 3, 543
U. Nyman 369

K. Öberg 474
R. Ochiai 417
W. Oder 593
J. W. Oestmann 445
M. Ogawa 634
Y. Ohta 226, 263
M. Ohto 634
Y. Ohuchi 226
M. Okazaki 20
A. N. Øksendal 187, 246, 381
Y. Okuno 230
A. G. Olsson 612
H. Ono 20
W. Den Otter 356

M. Päivänsalo 30
J. M. Park 362, 376
R. Parkkola 16
J. F. Pedersen 35, 482
J. Persliden 92, 351
J. L. Peters 510
M. Petrén-Mallmin 543
P. da Pian 26
T. Pirttilä 296
I. Podreka 593
F. Pombo 366
U. Pontén 279, 289
L. Prayer 593
M. Prokop 486
H. D. Punnyadasa 631
P. Qi 450

R. Raininko 78
O. Ø. Rasmussen 35
S. Rehn 3
D. Resnick 404
P. Ring 101
J. Å. Rødsjø 162
E. Roman 26
P. Rooth 168, 174, 500, 505
T. P. W. de Rooy 445
J. Rørvik 39
E. Rostrup 101
U. Rudberg 183
W. J. Russell 53
M. L. Ruutu 335

O. Saarinen 335
F. Sakai 346
M. Sakurai 392
M. Sandborg 92
S. M. Sanders 117
M. Satake 388
N. Sathanathan 631
M. Sato 266
S. Sato 20
Y. Satoh 230
S. Sawada 263, 529
S. Savastano 26
C. Schaefer 486
E. Schindler 593
D. Schlossman 618
H.-J. Schmidt 150
R. A. Schmidt 426
B. Schneider 408
L. J. Schultze Kool 445
G. Seidl 408
Y. Seino 492
D. D. Shaw 510
Y.-S. Shen 554
Y. Shimatani 226
M. Shindo 492
K. S. Shinn 362
S. Simonsen 72
K. Singh 242
T. Siniluoto 30
K.-O. Skårberg 183
T. Skau 88
E. B. Skriver 127
H.-J. Smith 150
K. von Smitten 237
H. Söder 78
M. Söderman 457
L. Söndergaard 101
S. Sone 346
T. Sonomura 266
E. Søvik 573
B. Spångberg-Viklund 88
G. O. Sperber 3

F. Ståhlberg 101, 450, 549
G. Stenport 612
U. Stenram 143, 258
A. Stensgaard 101
K. Steven 133
H. Stridbeck 139, 143, 258, 270, 273
A. Strömbäck 440
M. Stubgaard 101
D. C. Suh 520
M. Sumi 303
K. Sundfør 130
R. Sundgren 242
O. Sunnegårdh 168, 174
I. Suramo 496
Y. Suto 226
G. Svane 577
P. Svendsen 600
A. Szamosi 339

M. Takahashi 196, 303
S. Takashima 625
K. Takemura 346
Y. Tanabe 263
F. Tanaka 230
N. Tanigawa 263, 529
M. Taupitz 10
P. Tervahartiala 220
G. R. P. Thelissen 356
R. D. Thomas 489
C. Thomsen 101, 450
H. S. Thomsen 133, 205
K.-Å. Thuomas 279, 289
T. Tikkakoski 30, 496
E. Tjalve 148, 569
P. Toft 101
A. J. Tofte 72
K. Tomoda 399
T. Torizuka 230
O. Traindl 408
K.-G. Tranberg 139
S. Trattnig 408
C. Tropé 130
G. Trotteur 478
D. Trudell 404
T.-C. Tsai 554
K. Tsuda 399
C. Tsuchida 527
K. M. Tveit 573
T. Typpö 30, 496

P. Udén 369
J. Ueda 83
S. Ueda 634
H. R. Ulfendahl 83
H. Uwatoko 230
N. Uyesaka 214

A. Vega 43
I. Virtanen 220
B. Vitak 351
S. Vlajkovic 279, 289
M. S. Vorne 59
H. Vrooman 445

S. Wagner 10
K. Wakasa 392, 399
A. Waldenström 64
G. Walldius 612
J. Wallin 117
T. Waris 622
K. Watanabe 417
J. Watarai 492
D. van Westen 372
G. Wikholm 600
G. Wikström 64
M. Wikström 64
E. Wilander 474
J. Willner 273
D. Wimberger 593
K.-J. Wolf 10

I. Yamada 607
R. Yamada 266
Y. Yamashita 303
E. Yamazaki 607
Z. P. Yan 395
W. J. Yang 362
M. Yoshii 625
S. Yoshimatsu 303
L. Ytte 482

H. Y. Zhao 395
N. N. Zwetnow 279, 289